

NOTE: MD 201 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNS TO BE REMOVED

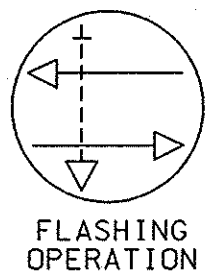
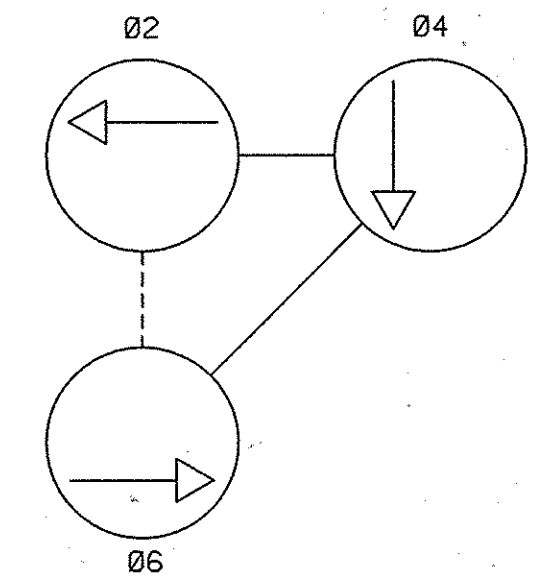
EXISTING SIGNALS TO BE REMOVED

NEMA PHASING

EXISTING VIDEO DETECTION TO REMAIN

ONLY
R3-5L
30"x 36"

1-7
R
Y
G
12"



PROPOSED SIGNALS

1-7
R
Y
G
12"

PROPOSED SIGNS

8,9
ONLY
R3-5(L)
30"x36"

M3-1
24"x12"
M1-5
30"x24"

NORTH
MARYLAND
201
M5-1
21"x15"

SOUTH
MARYLAND
201
M6-1
21"x15"

PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- FOR FINAL PAVEMENT MARKINGS REFER TO THE PAVEMENT MARKING PLANS, OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MSHA STANDARDS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.
- ALL PROPOSED LUMINAIRE SHALL BE SUPPLIED WITH A PHOTOCELL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE. CONTRACTOR SHALL REMOVE ALL UNUSED CABLES.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR SHALL CONTACT PRINCE GEORGE'S COUNTY, AT (301) 474-7200 TO COORDINATE WITH THE COUNTY'S CONTRACTOR PERFORMING RED LIGHT RUNNING CAMERA EQUIPMENT REPLACEMENT.

CONSTRUCTION DETAILS

- (A) REPLACE EXISTING SIGNAL HEAD WITH 12 INCH, LED VEHICULAR SIGNAL HEAD IN EXISTING LOCATION. WIRE NEW SIGNALS TO EXISTING ELECTRICAL CABLES.
- (B) INSTALL 27 FOOT STEEL POLE WITH 50 FOOT MAST ARM, LED SIGNAL HEADS, 20 FOOT LIGHTING ARM WITH 250 WATT HIGH PRESSURE SODIUM LUMINAIRE (NOTE 1-3 INCH, SCHEDULE 80, 90 DEGREE BEND IN SIGNAL POLE BASE).
- (C) REMOVE EXISTING SIGNS AND INSTALL NEW MAST ARM MOUNTED SHEET ALUMINUM SIGNS.
- (D) TRENCH ONE - 3 INCH, SCHEDULE 80, PVC CONDUIT.
- (E) REMOVE EXISTING HANDBOX. CAP AND ABANDON CONDUIT.
- (F) INSTALL ROUTE MARKER ASSEMBLY ON ONE NEW 4"x6" BREAKAWAY WOOD SUPPORT.
- (G) INSTALL 24 INCH THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- (H) REMOVE EXISTING SIGNAL EQUIPMENT. REMOVE FOUNDATION TO ONE FOOT BELOW GRADE.

- (J) RED LIGHT CAMERA LOOPS TO BE REPLACED BY OTHERS.
- (K) MAINTAIN EXISTING CONTROLLER CABINET.
- (L) CUT AND ABANDON EXISTING LOOP DETECTOR.
- (M) DIRECTIONALLY BORE ONE-3 INCH NON-INVASIVE DETECTOR CARRIER PIPE FOR INSTALLATION OF NON-INVASIVE PROBES.
- (N) BORE ONE - 4 INCH, SCHEDULE 80, PVC CONDUIT.
- (O) FURNISH AND INSTALL NEW HANDBOLE.
- (P) INSTALL NON-INVASIVE DETECTOR AND LEAD-IN CABLE
- (R) USE EXISTING HANDBOLE.

- (S) FURNISH AND INSTALL HANDBOLE. (NOTE: HANDBOLE TO BE INSTALLED WITH LONG DIMENSION PERPENDICULAR TO ROADWAY TO FACILITATE NON-INVASIVE LOOP DETECTOR INSTALLATION).
- (T) USE EXISTING CONDUIT.

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

REVISION C CONSULTANT

WALLACE, MONTGOMERY & ASSOCIATES, LLP

CIVIL AND STRUCTURAL ENGINEERS

110 West Road
Suite 300
Towson, Maryland 21204

APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS	
1	REVISION TO SIGNAL HEADS TO ACCOMMODATE GEOMETRIC IMPROVEMENTS JANUARY 2007 SHA NO. PG8495178
2	UPGRADE TO RED LIGHT CAMERA TMS 0908 42105
3	ASBUILT FOR RED-LIGHT CAMERA INSTALLATION SHA NO.
4	

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 201 (KENILWORTH AVE.) AND I-95 SB OFF-RAMP

SIGNAL PLAN

SCALE 1" = 20' DATE 8/9/99 CONTRACT NO. P-944-501-385

DESIGNED BY J.P.C. (J.M.T.) COUNTY PRINCE GEORGES

DRAWN BY EMM AND DJD LOGMILE 16020106.93

CHECKED BY T.I.M.S. NO. H324

F.A.P. NO. TOD NO.

TS NO. 2586C SHEET NO. 13 OF 22

PLOTTED: Tuesday, December 26, 2006 AT 04:01 PM
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